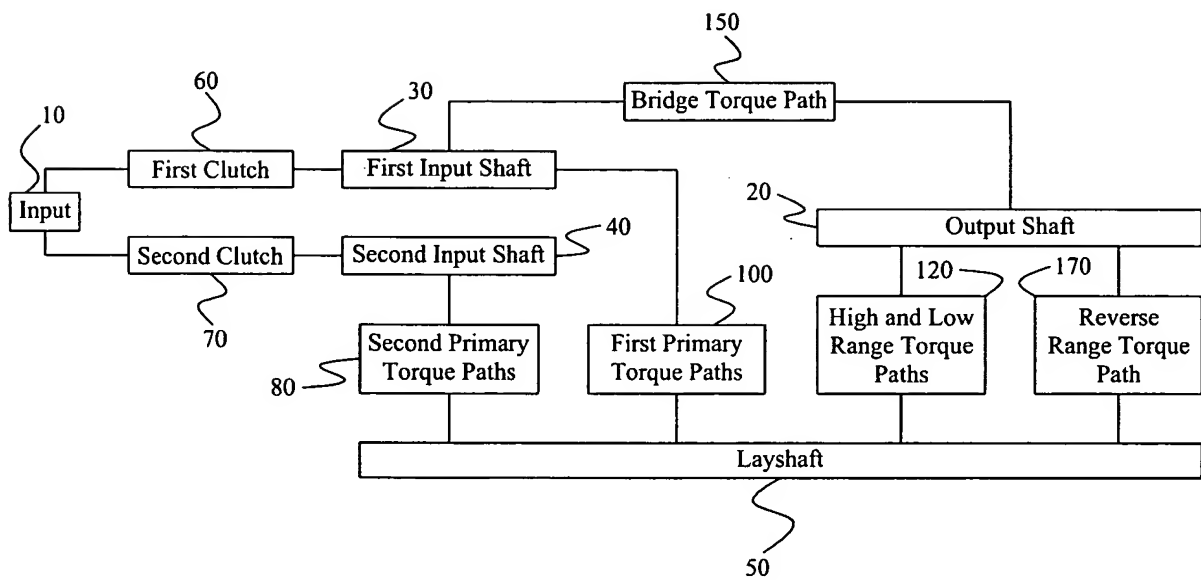
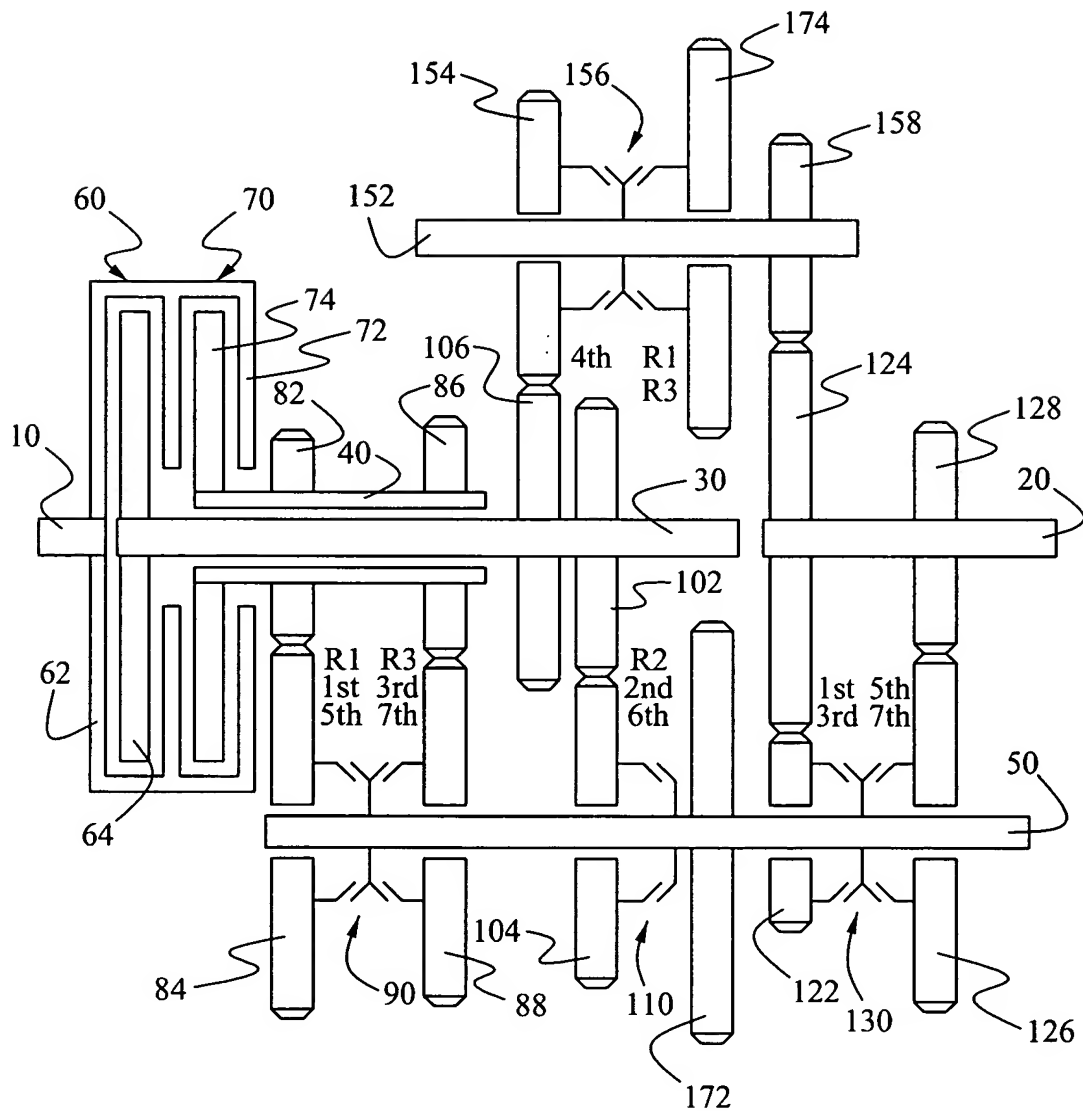


Fig. 1



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Fig. 2



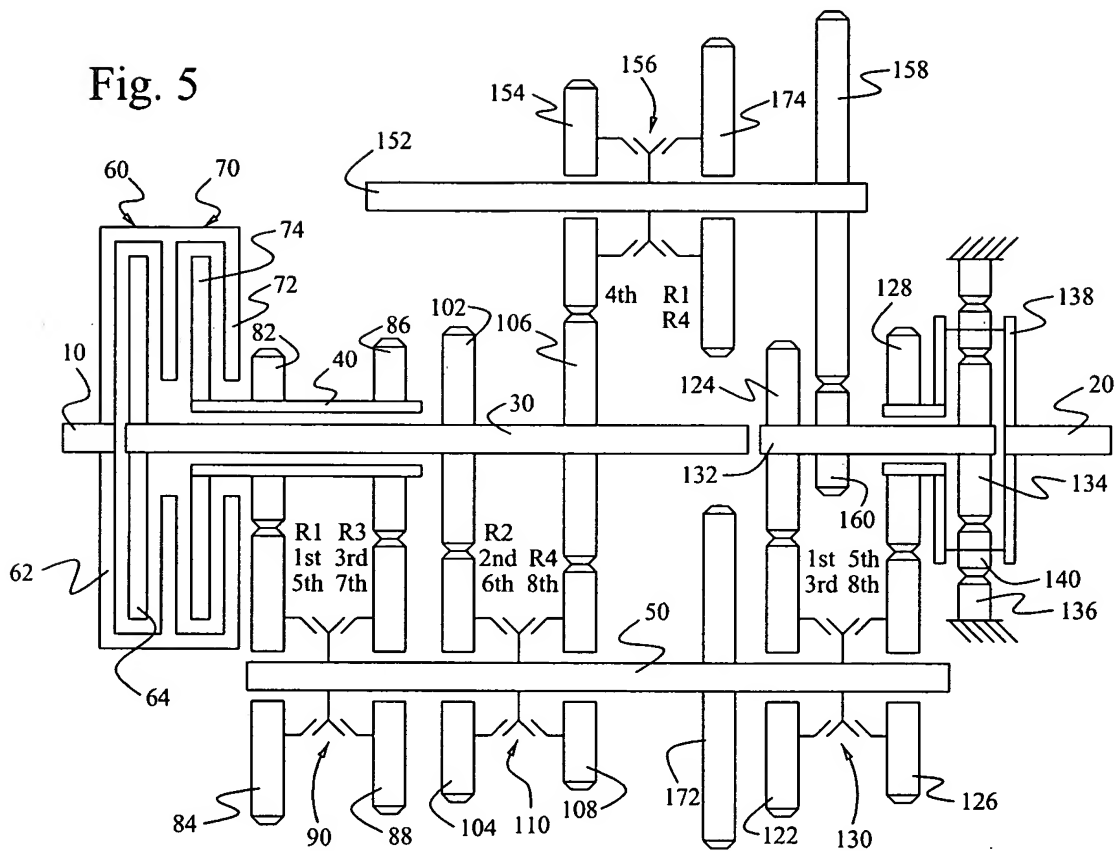
	Number of teeth
Pinion 82	21
Gear 84	48
Pinion 86	38
Gear 88	42
Pinion 102	41
Gear 104	64
Pinion 106	49
Pinion 122	15
Gear 124	36
Pinion 126	77
Gear 128	42
Gear 154	37
Pinion 158	15
Pinion 172	44
Gear 174	41

Fig. 3

Gear	Torque Ratio	Step Size
1 <sup>st</sup>	5.49	
2 <sup>nd</sup>	3.75	1.46
3 <sup>rd</sup>	2.65	1.41
4 <sup>th</sup>	1.81	1.46
5 <sup>th</sup>	1.25	1.45
6 <sup>th</sup>	0.85	1.46
7 <sup>th</sup>	0.60	1.41
R1	5.11	
R2	3.49	1.46
R3	2.47	1.41

Fig. 4

Fig. 5



	Number of teeth
Pinion 82	21
Gear 84	48
Pinion 86	38
Gear 88	42
Pinion 102	41
Gear 104	64
Pinion 106	59
Gear 108	51
Pinion 122	43
Gear 124	41
Pinion 126	58
Gear 128	41
Sun Gear 134	26
Ring Gear 136	72
Gear 154	51
Pinion 158	55
Gear 160	42
Pinion 172	41
Gear 174	51

Fig. 6

Gear	Torque Ratio	Step Size
1 <sup>st</sup>	8.22	
2 <sup>nd</sup>	5.61	1.46
3 <sup>rd</sup>	3.97	1.41
4 <sup>th</sup>	2.49	1.60
5 <sup>th</sup>	1.62	1.54
6 <sup>th</sup>	1.10	1.46
7 <sup>th</sup>	0.78	1.41
8 <sup>th</sup>	0.61	1.28
R1	8.20	
R2	5.60	1.46
R3	3.96	1.41
R4	3.10	1.28

Fig. 7